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15.57/6348 5/14/03  
Mollie

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of Tomoyuki Furuhata )  
Serial No.: 10/014,584 )  
Filing Date: December 14, 2001 )  
For: SEMICONDUCTOR DEVICES HAVING )  
A NON-VOLATILE MEMORY )  
TRANSISTOR AND METHODS FOR )  
MANUFACTURING THE SAME )

Group Art Unit: 2826

Examiner: Mandala, Victor A.

AMENDMENT

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sirs:

In response to the Office Action dated Feb. 4, 2003, the response being due by Monday, May 5, 2003 (May 4 was a Sunday), please enter and consider the following.

IN THE CLAIMS:

Please amend claims 11 and 18 as follows:

B1  
11. (amended) A semiconductor device having a non-volatile memory transistor, comprising a non-volatile memory transistor including a semiconductor layer, a floating gate disposed above the semiconductor layer, and a control gate formed above the floating gate,

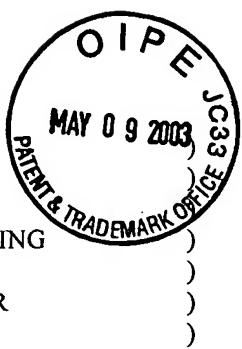
wherein a conduction layer is provided above the non-volatile memory transistor and at least a portion of the conduction layer is located vertically above the floating gate along the entire length of the floating gate, and

a width of the conduction layer located vertically above the floating gate is formed to be greater than a width of the floating gate.

B2  
18. (amended) A semiconductor device having a non-volatile memory transistor according to claim 1, wherein the non-volatile memory transistor comprises a first circuit region, and wherein the semiconductor device further comprises a second circuit region, wherein the first circuit region and the second circuit region are formed in a sea of gates structure.

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Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Sir:

Transmitted herewith is an Amendment in the above-identified application.

Small entity status of this application under 37 CFR 1.9 and 1.27 has been established by a verified statement previously submitted.

A verified statement to establish small entity status under 37 CFR 1.9 and 1.27 is enclosed.

It is believed that no additional fee is required.

The fee has been calculated as shown below:

|   | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT | HIGHEST NO<br>PREVIOUSLY<br>PAID FOR | PRESENT<br>EXTRA RATE | ADDIT.<br>FEE<br>OR<br>+<br>\$0 | ADDIT.<br>RATE<br>OR<br>+<br>\$0 | ADDIT.<br>FEE<br>OR<br>TOTAL \$0 |
|---|---|--------------------------------------|-----------------------|---------------------------------|----------------------------------|----------------------------------|
| TOTAL                                     | 27  | MINUS<br>9                           | 27 =<br>9 =           | 0 x<br>0 x                      | \$9 OR<br>\$42 OR                | x 18 \$0<br>x 84 \$0             |
| INDEP CLAIMS *                            |   |                                      |                       | + \$140                         | OR + 280                         | \$0 \$0                          |
| FIRST PRESENTATION OF MULTIPLE DEP. CLAIM |   |                                      |                       | TOTAL \$0                       |                                  |                                  |

Please charge Deposit Account No. 50-0585 the amount of \$\_\_\_\_ to cover the extension fee and also the amount of \$\_\_\_\_ to cover the claim fee. A duplicate copy of this sheet is enclosed.

A check in the amount of \$\_\_\_\_ to cover the extension fee is enclosed.

A check in the amount of \$\_\_\_\_ to cover the filing fee for additional claims is enclosed.

A check in the amount of \$\_\_\_\_ to cover the RCE fee is enclosed.

A check in the amount of \$\_\_\_\_ to cover the Information Disclosure Statement fee is enclosed.

The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. No. 50-0585. A duplicate of this sheet is enclosed.

Any filing fees under 37 CFR 1.16 for the presentation of extra claims.

Any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

Dated: May 5, 2003

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**Certificate of Mailing**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Non-Fee Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on May 5, 2003.

Alan S. Raynes

May 5, 2003  
 Date